Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/20/2021 09:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123759	-1	2.55	123645	2.53
Blue	F	SSC	125000	123958	-1	4.62	124283	4.49
Blue	E	FITC	14400	13900	-4	3.14	319	15.16
Blue	D	PE	24713	24590	-1	2.66	562	10.86
Blue	B	PerCP-Cy5-5	31796	31646	-1	3.85	1048	14.67
Blue	A	PE-Cy7	21240	21430	0	5.62	572	28.70
Red	C	APC	41319	41011	-1	3.46	1718	11.46
Red	A	APC-Cy7	21019	20508	-3	3.79	765	11.58
Violet	B	V450	7305	7117	-3	4.14	438	12.39
Violet	A	V500	28652	27722	-4	3.70	696	10.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22994	2.60	565	-4	N/A	N/A	Pass
Blue	F	SSC	57583	2.98	517	5	N/A	N/A	Pass
Blue	E	FITC	58	54.24	490	-1	0.0470	108	Pass
Blue	D	PE	117	37.51	489	2	0.4516	363	Pass
Blue	B	PerCP-Cy5-5	194	35.71	585	1	0.0200	65	Pass
Blue	A	PE-Cy7	115	67.72	632	2	0.0230	6	Pass
Red	C	APC	394	23.36	574	1	0.0278	114	Pass
Red	A	APC-Cy7	171	26.96	544	-1	0.0066	975	Pass
Violet	B	V450	61	62.00	452	-4	0.0643	2329	Pass
Violet	A	V500	100	34.21	465	-5	0.0246	784	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.77	-31.54	1.11
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.76	15.99 - 23.99	N/A	N/A	30.07	30.22	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10257

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments